



NOTES

1. Inside length for all manholes shall be 4'-0".
 2. Use 4 foot length of half pipe thru manhole and remove bell portion above springing line.
 3. Manholes shall be built of brick, precast solid concrete blocks, or cast in place concrete.
 4. Corbel brick walls not more than 1" per course.
 5. Precast manholes may be used in lieu of the design shown hereon, and must be in accordance with ASTM C-478, unless otherwise required by the plans.
 6. If precast manholes are used, joints to meet item 604.06
 7. All concrete shall be Class "C".
- * Precast walls shall have a minimum thickness of 5 inches and be reinforced sufficiently to permit shipping and handling without damage.

| Class | Diam. Slab Opening | Depth Range (Top of casting to invert) | | | | | |
|-------|--------------------|--|---------------|---------------|----------------|----------------|----------------|
| | | 30" | 36" | 42" | 48" | 54" | 60" |
| D | 36" | 5.0' to 7.5' | 5.5' to 7.5' | 6.0' to 7.5' | 6.5' to 7.5' | | |
| E | 24" | 7.5' to 8.8' | 7.5' to 8.8' | 7.5' to 8.8' | 7.5' to 8.8' | 7.5' to 8.8' | 7.5' to 8.8' |
| F | 30" | | 8.8' to 10.8' | 8.8' to 10.8' | 8.8' to 10.8' | 8.8' to 10.8' | 8.8' to 10.8' |
| G | 36" | | | | 10.2' to 12.1' | 10.2' to 12.1' | 10.2' to 12.1' |
| H | 42" | | | | | 11.4' to 13.4' | 11.4' to 13.4' |
| J | 48" | | | | | 12.8' and up | 12.8' and up |
| K | | 8.8' and up | 9.4' and up | 10.3' and up | 10.9' and up | | |

| Common Dimensions for all Classes | | | Dimensions for Manholes w/slabs only H for Class | | | | | |
|-----------------------------------|------|--------|--|-------|-------|-------|-------|-------|
| Diam. | t | W | D | E | F | G | H | J |
| 30" | 3.5" | 4'-0" | 2'-3" | 4'-9" | | | | |
| 36" | 4.0" | 4'-0" | 2'-6" | 4'-6" | 4'-6" | | | |
| 42" | 4.5" | 4'-3" | 2'-9" | 4'-3" | 4'-3" | | | |
| 48" | 5.0" | 4'-10" | 3'-0" | 4'-0" | 4'-0" | 4'-0" | | |
| 54" | 5.5" | 5'-5" | | 3'-9" | 3'-9" | 3'-9" | 3'-9" | 3'-9" |
| 60" | 6.0" | 6'-0" | | 3'-6" | 3'-6" | 3'-6" | 3'-6" | 3'-6" |

W. J. Francis
STORMWATER PROGRAM MANAGER

Jerry Francis
ADMINISTRATOR

12/15/93

APPROVED

REVISED

TYPE "B" MANHOLES
FOR 30" THRU 60" PIPE
(STORM SEWERS)

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE

STANDARD
CONSTRUCTION DRAWING

DR. W.C.K. SHEET I FILE NO. AA-S101
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